

Voltage-compensated Resistive Touch Panel

ABSTRACT OF THE INVENTION

5 The present invention provides a voltage-compensated resistive touch panel. The panel includes: a rectangle substrate; a uniform resistive surface being uniformly coated on the rectangle substrate; a plurality of resistance elements being formed on the perimeter edges of the uniform resistive surface so as to create orthogonal electrical fields
10 therein while a DC power is applied; a plurality of compensating elements being spaced along the perimeter edges of the uniform resistive surface, wherein the sizes of them and the intervals among each others are respectively proportional and inversely proportional to the distances being apart from the edges of the uniform resistive
15 surface so as to compensate the bow equipotential lines generated by the orthogonal electrical fields; a touch film being uniformly coated a conductive material on the surface facing the uniform resistive surface; and a plurality of insulators uniformly spreading between the uniform resistive surface and the touch film.